

Water Supply and Balance Team

October 27, 2010

Objective/Role:

Work to advance analysis methodologies and distribution of water supply and water balance/portfolio data for California's current and future water supply and demand conditions in an effective manner that will benefit the California Water Plan Update, Integrated Regional Planning, Tribal Coordination, various modeling efforts, and the water users of the state for Water Years 2006 and 2007.

As water experts become more involved with Integrated Regional Water Management Planning (IRWMP), they are required to use land and water use data. Some of these land and water use datasets are complete and up to date and some have questionable accuracy. Good IRWMP involves the task of producing a viable dataset that accurately documents land and water use using detailed and current land use surveys, water uses, water sources, and the development of the Inflow-Outflow Water Routing Balances. These datasets are extremely valuable for evaluating hydrology and water supply. The datasets can be used to determine: 1) how project and non-project water is used and re-used in and between basins; and 2) the calculation of agricultural, environmental, and urban demands within the study area for given water year and a given water source. An accurate and accessible statewide collection of these datasets forms the foundation of true integrated regional water management and provides a basis for gauging water use changes over time relative to water/irrigation management (BMP and EWMP adoption), weather, etc.

Key Deliverables: *To be completed by July 1, 2011*

2006 and 2007: Urban Water Use Balances by DAU/County (Public Service Agency, Representative PWSS for Organized Area, and Unorganized Areas); Agricultural Water Use Balances by DAU/County (Acreages by Crop, Unit ET by Crop, Efficiency, ETAW, and AW); and Managed Wetland Water Use Balances.

2006 and 2007: Supplies Deliveries (measured) and SW/GW Estimation

2006 and 2007: Inflow-Outflow Water Routing Balances by DAU/County

Change-In-Storage – Developed contour lines for GIS Shapefiles and Change-In-Storage values by study area.

Pilot: Agricultural Water Purveyor (1) – Water Uses and Balances in each Region Office

Pilot: Tribal Assessment (1 Recognized Tribe) - Water Uses and Balances in each Region Office

WEAP – Pilot Test one IRWM, PA or DAU in each Region Office

Start Putting Together County Data Reports – Display developed data used in the California Water Plan Update by County. Tribal Areas, IRWM Boundaries and names could be displayed on a map, along with Flood SAFE maps.

Integrating CWP, IRWM, and Flood SAFE.

Coordination Venues:

Public Advisory Committee

Steering Committee

Tribal Advisory Committee

Regional Workshops

Region Offices Workshops

Federal Agencies Coordination - Work Groups

State Agencies Coordination - Work Groups

Public Water Service Agencies meetings

Agricultural Water Purveyors meetings

How to get involved:

The Water Supply and Balance Team's (WS&B) vision is to collect, calculate, analyze, review, manage, store, and distribute data and analysis in support of the California Water Plan Update and Regional Planning in an effective manner. Transparent, easy access, and at a local decision level - Readily available

- *Develop partnerships with Tribal, Federal, State, local agencies, and regional planning groups for the advancement of water supply and hydrologic understanding and analysis.
- *Ensure the most current information is available
- *Make the best use of available technology.